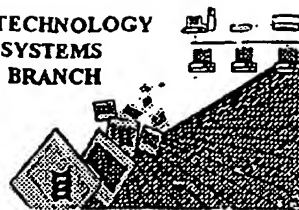




BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/764,921
Source: FFWO
Date Processed by STIC: 2/11/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/efb/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: 10/764,921
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 _____ Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 _____ Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 _____ Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 _____ Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 _____ Variable Length	Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 _____ PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 _____ Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 _____ Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 _____ Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 _____ Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 _____ Use of <220>	Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 00/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 _____ PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 _____ Misuse of n/Xaa	"n" can only represent a single <u>nucleotide</u> ; "Xaa" can only represent a single <u>amino acid</u>	



IFWO

RAW SEQUENCE LISTING

DATE: 02/11/2004

PATENT APPLICATION: US/10/764,921

TIME: 10:01:40

Input Set : A:\19907YIACB.TXT

Output Set: N:\CRF4\02062004\J764921.raw

4 <110> APPLICANT: Volkin, David B.
5 Evans, Robert K.
6 Ulmer, Jeffrey B.
7 Caulfield, Michael J.
9 <120> TITLE OF INVENTION: POLYNUCLEOTIDE VACCINE FORMULATIONS
12 <130> FILE REFERENCE: 19907YIACB
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/764,921
C--> 14 <141> CURRENT FILING DATE: 2004-01-26
14 <150> PRIOR APPLICATION NUMBER: 09/950,844
15 <151> PRIOR FILING DATE: 2001-09-12
17 <150> PRIOR APPLICATION NUMBER: 09/112,655
18 <151> PRIOR FILING DATE: 1998-07-09
20 <150> PRIOR APPLICATION NUMBER: 09/023,834
21 <151> PRIOR FILING DATE: 1998-02-13
23 <150> PRIOR APPLICATION NUMBER: 60/038,194
24 <151> PRIOR FILING DATE: 1997-02-14
26 <160> NUMBER OF SEQ ID NOS: 14
28 <170> SOFTWARE: FastSEQ for Windows Version 4.0
30 <210> SEQ ID NO: 1
31 <211> LENGTH: 23
32 <212> TYPE: DNA
33 <213> ORGANISM: Artificial Sequence
35 <220> FEATURE:
36 <223> OTHER INFORMATION: Oligonucleotide
38 <400> SEQUENCE: 1
39 ctatataagc agagctcggt tag 23
41 <210> SEQ ID NO: 2
42 <211> LENGTH: 30
43 <212> TYPE: DNA
44 <213> ORGANISM: Artificial Sequence
46 <220> FEATURE:
47 <223> OTHER INFORMATION: Oligonucleotide
49 <400> SEQUENCE: 2
50 gtagcaaaga tctaaggacg gtgactgcag 30
52 <210> SEQ ID NO: 3
53 <211> LENGTH: 39
54 <212> TYPE: DNA
55 <213> ORGANISM: Artificial Sequence
57 <220> FEATURE:
58 <223> OTHER INFORMATION: Oligonucleotide
60 <400> SEQUENCE: 3
61 gtatgtgtct gaaaatgagc gtggagattg ggctcgac 39
63 <210> SEQ ID NO: 4

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/764,921

DATE: 02/11/2004
TIME: 10:01:40

Input Set : A:\19907YIACB.TXT
Output Set: N:\CRF4\02062004\J764921.raw

64 <211> LENGTH: 39
65 <212> TYPE: DNA
66 <213> ORGANISM: Artificial Sequence
68 <220> FEATURE:
69 <223> OTHER INFORMATION: Oligonucleotide
71 <400> SEQUENCE: 4
72 gtgcgagccc aatctccacg ctcattttca gacacatac 39
74 <210> SEQ ID NO: 5
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76 <212> TYPE: DNA
77 <213> ORGANISM: Artificial Sequence
79 <220> FEATURE:
80 <223> OTHER INFORMATION: Oligonucleotide
82 <400> SEQUENCE: 5
83 gatcaccatg gatgcaatga agagagggct ctgctgtgtg ctgctgctgt gtggagcagt 60
84 cttcgtttcg cccagcga 78
86 <210> SEQ ID NO: 6
87 <211> LENGTH: 78
88 <212> TYPE: DNA
89 <213> ORGANISM: Artificial Sequence
91 <220> FEATURE:
92 <223> OTHER INFORMATION: Oligonucleotide
94 <400> SEQUENCE: 6
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96 cttcattgca tccatggt 78
98 <210> SEQ ID NO: 7
99 <211> LENGTH: 33
100 <212> TYPE: DNA
101 <213> ORGANISM: Artificial Sequence
103 <220> FEATURE:
104 <223> OTHER INFORMATION: Oligonucleotide
106 <400> SEQUENCE: 7
107 ggtacaaata ttggctattg gccattgcat acg 33
109 <210> SEQ ID NO: 8
110 <211> LENGTH: 36
111 <212> TYPE: DNA
112 <213> ORGANISM: Artificial Sequence
114 <220> FEATURE:
115 <223> OTHER INFORMATION: Oligonucleotide
117 <400> SEQUENCE: 8
118 ccaatctcg aggaaccggg tcaattcttc agcacc 36
120 <210> SEQ ID NO: 9
121 <211> LENGTH: 38
122 <212> TYPE: DNA
123 <213> ORGANISM: Artificial Sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: Oligonucleotide
128 <400> SEQUENCE: 9
129 ggtacagata tcggaaagcc acgttggtgtc tcaaaatc 38

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/764,921

DATE: 02/11/2004
TIME: 10:01:40

Input Set : A:\19907YIACB.TXT
Output Set: N:\CRF4\02062004\J764921.raw

131 <210> SEQ ID NO: 10
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133 <212> TYPE: DNA
134 <213> ORGANISM: Artificial Sequence
136 <220> FEATURE:
137 <223> OTHER INFORMATION: Oligonucleotide
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140 cacatggatc cgtaatgctc tgccagtgtt acaacc 36
142 <210> SEQ ID NO: 11
143 <211> LENGTH: 39
144 <212> TYPE: DNA
145 <213> ORGANISM: Artificial Sequence
147 <220> FEATURE:
148 <223> OTHER INFORMATION: Oligonucleotide
150 <400> SEQUENCE: 11
151 ggtacatgat cacgtagaaa agatcaaagg atcttcttg 39
153 <210> SEQ ID NO: 12
154 <211> LENGTH: 35
155 <212> TYPE: DNA
156 <213> ORGANISM: Artificial Sequence
158 <220> FEATURE:
159 <223> OTHER INFORMATION: Oligonucleotide
161 <400> SEQUENCE: 12
162 ccacatgtcg acccgtaaaa aggccgcgtt gctgg
164 <210> SEQ ID NO: 13
165 <211> LENGTH: 9
166 <212> TYPE: PRT
167 <213> ORGANISM: Peptide
169 <400> SEQUENCE: 13
170 Thr Tyr Gln Arg Thr Arg Ala Leu Val
171 1 5
174 <210> SEQ ID NO: 14
175 <211> LENGTH: 12
176 <212> TYPE: PRT
177 <213> ORGANISM: Peptide
179 <400> SEQUENCE: 14
180 Ile Pro Gln Ser Leu Asp Ser Trp Trp Tyr Ser Leu
181 1 5 10

*mandatory, the <213> then
Responses are either
Artificial/Unknown
on Genus/species.
please see item
10 on
the error
summary
sheet.*

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/764,921

DATE: 02/11/2004

TIME: 10:01:41

Input Set : A:\19907YIACB.TXT

Output Set: N:\CRF4\02062004\J764921.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application No

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date